Enhance your radio's capabilities

A comprehensive range of accessories is also available so that the radios can be customized to suit your needs. Adding the proper handset, speakers, microphone & mounting accessories can enhance your productivity. Motorola accessories are built with the highest quality standards and are specially engineered to assure maximum performance of your radio.

*GM3189 & GM3689 Specifications**

	MB	VHF	UHF	
General Specifications				
Frequency	66-88MHz	136-162MHz 146-174MHz	403-440MHz 438-470MHz 465-495MHz	490-527MHz
Channel Capacity	10 channels (GM3189), 100 channels (GM3689)			
Power Output	1-25W			25W
Power Supply	13.8 Vdc (11 Vdc - 16.6 Vdc) negative vehicle ground			
Channel Spacing	12.5/20/25KHz			
Frequency Stability (-30°C, + 60°C, +25°C Ref)	+/-2.5ppm			
Dimensions (H * W * L)	44mm x 169mm x 118mm			
Weight	1.01 Kg			
Operating temperature	- 30 to + 60°C			
Sealing	Passes rain and dust testing to IP54			
Shock and Vibration	Meets MIL-STD 810-C, D&E and TIA/EIA 603			

Receiver	**MB**	**VHF**	**UHF**
Sensitivity (12db Sinad)	0.35uV (12.5KHz) 0.3uV (25KHz)		
Intermodulation	60dB (12.5KHz) 70dB (25KHz)	65dB (12.5KHz) 75dB (25KHz)	60dB (12.5KHz) 70dB (25KHz)
Adjacent Channel Selectivity	60dB (12.5KHz) 70dB (25KHz)	65dB (12.5KHz) 75dB (25KHz)	60dB (12.5KHz) 70dB (25KHz)
Spurious Rejection	70dB	75dB	70dB
Rated Audio (extended audio with 4 ohm speaker)	4W internal 13W external		
Audio Distortion @ Rated Audio	3% typical		
Hum and Noise	-40dB (12.5KHz) -45dB (25KHz)	-40dB (12.5KHz) -45dB (25KHz)	-35dB (12.5KHz) -40dB (25KHz)
Audio Response (300 to 3000Hz)	+1, -3dB		
Conducted Spurious Emission	-57dBm < 1GHz -47dBm > 1GHz		

Transmitter	**MB**	**VHF**	**UHF**
Modulation Limiting	+/- 2.5KHz (12.5KHz) +/-4KHz (20KHz) +/-5KHz (25KHz)		
FM Hum & Noise	-40dB (12.5KHz) -45dB (25KHz)	-40dB (12.5KHz) -45dB (25KHz)	-35dB (12.5KHz) -40dB (25KHz)
Conducted / Radiated Power	-36dBm < 1GHz -30dBm > 1GHz		
Adjacent Channel Power	-60dB (12.5KHz) -70dB (25KHz)		
Audio Response (300 to 3000Hz)	+1, -3dB		
Audio Distortion @ 1000Hz, 60% Rated Max. Deviati	3% typical		

** Availability subject to country's laws and regulations. Radios meet applicable regulatory requirements. All specifications subject to change without notice. Specifications are not representative of all radios and may vary in different radios.*

Accessories

In Vehicle Solution

HMN1035 Heavy-duty Palm Microphone
HMN3596 Compact Palm Microphone

RMN5029 Enhanced Keypad Microphone
AAREX4617 Telephone Style Handset

Hands free Solution

GMMN4065 Visor Mounted Microphone
(requires use of the remote PTT configuration below)

RLN4857 Pushbutton with Remote PTT

RLN4836 Emergency Footswitch PTT
RLN4856 Remote Footswitch PTT

Dispatch Desktop Solution

HMN3000 Desktop Microphone

RSN4001 13 W External speaker
HSN8145 7.5 W External speaker
HPN4002 Desktop Power Supply

Stringent Motorola Accelerated Life Testing simulating five years of hard use in real life. EIA R5-3168 in Shock, Vibration, Dust, Humidity, IP54 for Sealing.

Stamp of approval from the U.S. Military for use in rough environment.

Compliance with ISO 9001 Standard - on international quality system assurance on design, development, production, installation and servicing of a product.

Nothing Works Like A Motorola Original Accessory

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MOTOROLA

AFFORDABLE YET POWERFUL COMBINATION

GM3189 & GM3689 Select V

In today's fast-moving workplace, efficient communications solutions are vital to your competitiveness. A misunderstood message may have big consequences. That is why 75 years of pushing the frontiers in radio technology makes Motorola the brand of choice when you need reliable, clear communication.

The GM3189 and GM3689 two-way radios comfortably meet the level of reliability and clarity needed for industries like Taxis and Courier services. The rugged build quality, characteristic to all Motorola mobiles, means they are apt for Construction and Manufacturing activities too.

Advanced features such as PTT-ID, Emergency and Lone Worker capabilities are possible with these Select V mobiles. Furthermore, your investment is protected, as the GM3189 and GM3689 are compatible with the existing range of accessories.

GM3189: Affordable and Efficient Communications Solution

The GM3189 offers ease of use and is an essential appliance for businesses on the move.

10 Channels
Increases user efficiency by allowing them to address different groups of users.

2 Programmable Buttons
Provides access to frequently-used functions such as Scan, Monitor and Transmitting Power Level.

One-character Channel Display
Display of the current communication channel at a glance.

GM3689: Customisable and Cost-Effective Productivity Tool

The GM3689 is a functional communications solution and also adaptable to growing business needs. Each unit can be customised to suit individual users' needs, even within the same fleet. The wide range of capabilities makes this mobile great value for money.

100 Channels
Able to accommodate your growing business needs and communication channels.

3 Programmable Buttons
Allows access to frequently-used functions, such as Scan, Repeater Talkaround, Transmitting Power Level, Emergency and others.

8-character Alphanumeric Display
Displays icons for quick identification of radio status, and identifies incoming callers.

Option Board Expandability
Additional capabilities such as data transfer and voice storage can be added easily.

Contact List
Up to 255 names, numbers and caller IDs can be called up quickly and conveniently.

Industrial Applications

The GM3189 and GM3689 can be used as a Radio Frequency (RF) pipe for integrated solutions such as Automatic Vehicle Locator Systems (AVL) and Telemetry. A host of devices can be connected via the mobile's 16-pin external port, to offer a multitude of solutions.

Automatic Vehicle Locator Systems (AVL)
Allows remote tracking of your vehicle's location using the Global Positioning System (GPS) and integrated software. This ensures a more efficient utilisation of the fleet, dynamic planning of delivery routes and estimation of arrival time, thereby resulting in better customer service and profitability. The AVL system can also be used to track vehicles carrying precious cargo and company personnel in high-risk environments.

Telemetry
Enables remote real-time monitoring of environmental conditions or equipment parameters. Together with integrated hardware and software solutions, the mobiles can be used for remote monitoring of water levels in inaccessible areas, or to track key operational/ process parameters to ensure the safety of plant workers.

Common Features of GM3189 and GM3689

Signalling Standard
Both mobiles support the following Select V signalling standards, and programming of up to two 'user-defined' signalling standards is possible.

- ZVEI
- Modified ZVEI
- French Modified ZVEI
- 20ms CCIR
- 70 ms CCIR
- 100 ms CCIR
- EEA

Rugged Construction
The mobiles are built to meet or exceed the stringent Motorola ALT, MIL-STD 810C/D/E and IP54 international standards, which make them suitable for use in rough environments.

Audio Enhancement
The mobiles offer voice compression mode and powerful 4W front-firing speakers for maximal audio clarity. Optional 13W external speakers are available for high-noise environments like the construction and manufacturing industries.

User Friendly

- Large ON/OFF Knob and Channel Buttons enable easy and quick operation.
- Programmable Buttons provide convenient access to frequently-used functions.
- LED Status Indicators and Alert Tones allow clear indication of radio's operating status and timely notification of incoming calls.

16-pin External Accessory Port
Allows easy expansion of radio's capability, without messy dismantling and rewiring.

Devices such as GPS module, data modem and a host of others can be added on as your business needs grow.

PTT - ID
Identifies the radio during transmission. This saves the need of verbal identification, making communication more efficient.

Lone Worker
Provides added safety to users who work alone. The radio enters into Emergency mode if the user fails to respond to a warning signal after a stipulated time.

Stun/Unstun
Prevents abuse of the radio network. The central dispatcher can disable unauthorised or nuisance users over the air.

Emergency
Activates the emergency mode via the footswitch, allowing the driver to notify the central operator quickly and discreetly in an emergency situation.

Voice Operated Transmission (VOX)
Radio may be activated by voice control when connected to a Visor microphone, thus allowing users to concentrate on road safety.

Other Features

- Selective Call
- Car Audio Mute
- Scan
- Nuisance Channel Delete
- Call Forward
- Repeater/Talkaround
- External Alarm
- High/Low Power
- Local/Distant
- Public Address Mode
- Programmable Channel Spacing